

TO THE

Rural Sanitary Authority

OF

The Pontefract Union.

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REPORT

OF THE

Medical Officer of Health

For 1903.

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PONTEFRACT:  
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# TO THE PONTEFRACT RURAL DISTRICT COUNCIL.

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GENTLEMEN,—

I have the honour to present my report, as Medical Officer of Health, for the year 1903.

Estimating the Population of the District at 12,600,

The Births—472—give an average birth-rate of 37·4 per thousand living ;

The Deaths – 193 – (registered) an average death-rate of 15·3 per thousand living.

In addition to these 193, 15 deaths of residents occurred outside the District. The deaths from Zymotic diseases, 40 in all, give a rate of 3·2. There were 64 deaths under one year of age, being at the rate of 140 per thousand births.

The corresponding rates for the whole of England and Wales for 1903 were—

Birth-rate	...	...	28·4	per thousand living ;
Death-rate	...	...	15·4	„ „
Zymotic Diseases	...	...	1·41	„ „
Infant Mortality	...	...	135	per thousand births.

In a District like this one cannot expect to get exact results, as the population—more especially in Glass Houghton and Ferryfryston—is not only variable in quantity, but also in character. In the latter place particularly, during last year, owing to the colliery strike (which is now settled), the coming and going of workpeople was considerable, and probably many of the houses were overcrowded owing to the presence of lodgers.

## **Deaths from Zymotic Diseases**—40 in number.

Smallpox	...	...	There were two deaths from Smallpox, both removed from Brotherton to the Sherburn Hospital—one case had only three rather small vaccination marks ; and the other had none visible.
(2 deaths)			

<b>Measles</b> ... (6 deaths)	...	There were six deaths from Measles— 3 at Brotherton; 1 at Cridling Stubbs; 1 at Carleton; 1 at Ferryfryston.
<b>Scarlet Fever</b> (1)	...	1 at Glass Houghton.
<b>Whooping Cough</b> ... (2 deaths)	...	1 at Fairburn; 1 at Kellington.
<b>Diphtheria</b> ... (7 deaths)	...	1 at Beal; 3 at Ferryfryston; 3 at Glass Houghton.
<b>Enteric Fever</b> ... (4 deaths)	...	1 from Burton Salmon—removed to Hospital; 1 at Ferryfryston; 1 from Glass Houghton—removed to Hospital; 1 at Whitley.
<b>Diarrhœa</b> ... (13 deaths, 12 of them under 1 year)	...	1 at Beal; 1 at Burton Salmon; 1 at Fairburn; 6 at Ferryfryston; 4 at Glass Houghton.
<b>Enteritis</b> ... (4 deaths)	...	2 at Ferryfryston; 2 at Glass Houghton.
<b>Erysipelas</b> (1 death)	...	1 at Burton Salmon.

The following statement gives the per centage of Births and Deaths in the various Districts :—

	Birth Rate.	Death Rate.	Infantile Death Rate.
Knottingley Rural ...	... 37·7	... 18·7	... 174
Whitley District ...	... 31·3	... 14	... 140
Carleton District ...	... 23·8	... 12	no death under one year.
Glass Houghton District ...	... 40·6	... 15·6	... 102

Proportions in District of Deaths under 1 year of age to the Births and total Deaths :—

	Births.	Deaths.
Knottingley Rural ...	... 1 in 6 ...	... 1 in 3
Whitley ...	... 1 in 6 ...	... 1 in 3
Carleton ...	... no death. ...	... no death.
Glass Houghton ...	... 1 in 10 ...	... 1 in 3·3

In comparing the Infantile death rates, it is gratifying to find that, with the exception of Carleton, where there was no death under one year, Glass Houghton has the best average of only 102 deaths per 1,000 births. This circumstance about Carleton will tend to equalize the fallacy I pointed out last year. The rate for Whitley District is 140, and that for Pontefract Rural 175, against 118 for Rural England and Wales. Owing to the want of information from the Registrar as to the births in the different Townships, I can only compare the Districts. This militates against fair comparison, as one would rather make comparison between such places as Glass Houghton and Ferryfryston, than with those of a more purely rural character.

In Table IV. the deaths from all causes are placed to their respective Districts :—

<b>Phthisis</b> ... .. (12 deaths)	8 in the Knottingley Rural District ; 2 in the Whitley District ; 2 at Glass Houghton ; which gives an average of .95 per thousand, against 1.233 for the whole country.
<b>Other Tubercular Diseases</b> (9 deaths)	7 in the Knottingley Rural District ; 2 in the Glass Houghton District.
<b>Cancer</b> ... .. (8 deaths)	5 in the Knottingley Rural District ; 2 in the Whitley District ; 1 in the Carleton District.
<b>Bronchitis</b> ... .. (28 deaths)	18 in the Knottingley Rural District ; 2 in the Whitley District ; 8 in the Glass Houghton District.
<b>Pneumonia</b> ... .. (10 deaths)	2 in the Knottingley Rural District ; 3 in the Whitley District ; 3 in the Carleton District ; 2 in the Glass Houghton District.
<b>Other Respiratory Diseases</b> (1 death)	1 at Glass Houghton.
<b>Cirrhosis of Liver</b> (Alcoholism, 2 deaths)	2 at Glass Houghton.
<b>Venereal Disease</b> ... (1 death)	1 in the Knottingley Rural District (hereditary).
<b>Premature Birth</b> ... (10 deaths)	8 in Knottingley Rural District ; 1 in Whitley District ; 1 in Glass Houghton District.
<b>Parturition</b> ... .. (2 deaths)	1 in Knottingley Rural District ; 1 in Glass Houghton District.
<b>Heart Disease</b> ... .. (18 deaths)	8 in Knottingley Rural District ; 2 in Whitley District ; 2 in Carleton District ; 6 in Glass Houghton District.
<b>Accident</b> ... .. (11 deaths)	5 in Knottingley Rural District—1 at Fairburn, 21 years, killed at football ; 1 at Brotherton, 77 years, fell down stairs and broke her neck ; 1 at Ferryfryston, 21 years, crushed between railway waggons ; 1 thirty-two years of age, killed in pit at Ferryfryston ; 1 three years of age, burned at Beal.  3 in Whitley District—1 drowned, 47 years of age ; 1 twenty-five years, accident to head and knocked overboard ; 1 sixteen years, accidentally shot by self.  1 in Carleton District—thrown out of trap and killed ; 60 years of age.  2 in Glass Houghton District—1 fourteen years of age, killed in pit ; 1 33 years, killed in pit.
<b>Suicide</b> (1 death) ...	1 in Glass Houghton District—hanged himself.



An extra Table is given in the Report which shews the deaths at all ages in the different Townships, and the births in the different localities. The 15 deaths which occurred outside the District were—

8 in the Workhouse ;  
 2 in the Leeds Infirmary ;  
 2 in the Sherburn Hospital ;  
 2 in the Joint Hospital ;  
 1 at Bowness.

In Table I. it is requested that particulars be given of the deaths of residents occurring in public institutions beyond the District. This point has been rather difficult to comply with in the case of the two deaths from Smallpox. One was a temporary householder, and the other a lodger at Brotherton ; but I thought it better to include them as residents of that place, as they contracted the disease there, and I could not ascertain where they came from.

**Smallpox.**—Table III. gives particulars of cases of infectious disease notified during the year. First, of course, in importance comes Smallpox, of which there were nine cases. The first was on the 19th of January, at Stapleton Cottages—a man 23 years of age. It was a very mild case. He had four good vaccination marks, and had been re-vaccinated a few years ago when his sister had Smallpox. He had been visiting at Barnsley, where he stayed from the 27th to the 29th of December. He was treated at home, as the other inmates—Mr. and Mrs. Douglas—had both been well vaccinated, and there was no hospital accommodation. The second case was that of a girl at Glass Houghton, on April 21st, who had been in a situation at Castleford as daily servant. She was removed to hospital ; and of the other inmates of the house, one, a baby 3 months old, was vaccinated, and the rest—four in number—were re-vaccinated. It was a very mild case. She had four good vaccination marks. There was no evidence of the origin of infection.

The third case was at Brotherton, notified on the 22nd of April. This also was a mild case, the woman (Mrs. Addy by name) having three good vaccination marks. There were five other inmates of the house, who were all re-vaccinated. On enquiry it was found that she had had two lodgers, one of whom had been poorly for a few days, and then had left and gone to another house in Brotherton—Mrs. Wickham's, of Low-street which in turn he had left in a fortnight.

The fourth case was on May the 7th, in Low-street, Brotherton, in a man who had worked at the sewage works. He was removed to the hospital, and died on the 13th. He had been imperfectly vaccinated as a child. There were four children in the house and two lodgers, with a child eight years old, and only two bedrooms. All were re-vaccinated by Mr. Ward.

The fifth case was at Mrs. Wickham's, where the two men mentioned in connection with case 3 had been lodging, and was notified on the 11th of May. He was removed to the hospital, and died on the 15th of May. He had no vaccination marks. There were three lodgers, one of whom refused to be re-vaccinated.

The sixth case was notified on the 12th. It was a mild case, although the man had only two vaccination marks. He was removed to the hospital, and his wife and six children were re-vaccinated. He had probably contracted the disease by having sat next to one of Mrs. Wickham's lodgers at a public-house.

The seventh case was that of a girl, notified on the 25th of May. She had been in service at a shop at the Low End of Brotherton, where she was very likely to be brought in contact with people from infected houses. She had never been properly vaccinated, and it was a bad case. Her father, mother, and three brothers were re-vaccinated.

The eighth case was notified on the 27th of May—a woman who had been confined on the 1st. Her husband had been in company with one of the men who developed Smallpox, and she herself had visited at Mrs. Wickham's up to the time of her confinement, and Mrs. Wickham had visited her after her confinement.

The ninth and last case was that of Mr. Shuttleworth, Sanitary Inspector of the District, who contracted the disease whilst in the discharge of his duties. He had two vaccination marks (original), and was re-vaccinated in 1903, consequently it was a very mild case.

No doubt all these cases at Brotherton sprang from the lodger at Mrs. Addy's who left there and went to Mrs. Wickham's, and then left the district to continue his evil work.

There are two lessons to be learned from this outbreak—one is, that the more effectually people have been vaccinated the milder will be the disease if they contract it; and the other is, that where re-vaccination is carried out the less liability there is to contract the disease at all. This, I think, is thoroughly proved by the fact that there was not a second case in any house affected where the remainder of the inmates were protected by re-vaccination. I think it is quite time, as I have advocated for years, that Government should not tinker with the question, but should, without any reservation whatever, compel every child to be vaccinated and re-vaccinated at a proper age. In the meantime, it may be well to mention that this outbreak will cost the Authority, in hospital cases, £79 2s. 11d., and about £20 extra for vaccination fees; which, however, I do not look upon as money badly spent, but as a sort of insurance or protection from the disease in case of any further outbreak. Of course, there are the expenses connected with the erection of the hospital and the maintenance of the staff, but if it had not been available for the reception and treatment of the cases, it is impossible to estimate how the disease might have spread and what the results might have been to the community at large. I must say that the Board, on my report of the first batch of cases, gave me full permission to exercise any measures which I thought advisable to prevent the spread of the disease. The hospital is still incomplete in many respects to cope with the cases sent to it, and ought to be provided with Convalescent Wards and efficient provision for disinfection of clothing, bedding, etc.

**Scarlet Fever.**—There were 72 cases reported during the year, of which 17 were in January—15 of these were at Glass Houghton, 1 at Fairburn, and 1 at Darrington. Of the cases at Glass Houghton, 2 were at 39, Grafton-street; 3 at 38, Grafton-street; and 3 at 11, Ramsden-street. There were 4 cases in February—2 at Cutsyke, 1 at Beal, and 1 at Heck. One case, on the 24th of March, at Darrington, in the same house in which the first case had occurred in January, and which had only returned from the hospital on the 21st. In April there were 5 cases—1 at New Fryston, 3 at Eggborough in one house, and 1 at Byram. The cases at Eggborough were no doubt caused by a son who had been lodging at Knottingley, and working with a man whose family had had Scarlet Fever. The case at Byram was that of a visitor, who had been travelling about. In May there were 4 cases at Glass Houghton and 1 at Eggborough in the same house as



the former three. In June there were 5 cases—4 at Glass Houghton and 1 at New Fryston. In July there were 7 cases, all in Glass Houghton, but in different parts of the Township. In August there were 14 cases—6 at Cridling Stubbs, of which five were in one house, and all directly caused by a visitor from Castleford who had a sore throat, and whose sister at home had Scarlet Fever. There were 4 cases at Glass Houghton, 1 at Hillam, 1 at Beal, 1 at Kellington, and 1 at New Fryston. In September there were 2 cases—1 of them at Glass Houghton, the other at Carleton. In October there were 6 cases—1 at Glass Houghton, 3 at New Fryston (of which two were in one house, and the third probably caught the infection there, as they were relatives and visited each other), and 2 in one house at Carleton. In November there were 3 cases—1 in one of the infected houses at New Fryston, and 1 at Glass Houghton. In December there were 2 cases—1 at Glass Houghton and 1 at New Fryston.

Of these 72 cases—26 were removed to the hospital: 11 from the Knottingley Rural District, 13 from the Glass Houghton District, and 2 from the Carleton District. It is very gratifying to know that not one of these cases proved fatal—and indeed out of the whole number affected only one case died. It was at Glass Houghton. The resources of the hospital have been fairly well tried, and a discharging ward would be very useful, and so prevent cases being sent straight home out of an infected atmosphere—a proceeding that is always attended with a certain amount of danger.

**Diphtheria.**—There were 9 cases of Diphtheria reported, of which five were at Glass Houghton. The first was in February, and was fatal; 1 in July and 1 in August, both in the same house, and both recovered; 2 in September, of which one was notified on the 16th in the Post Office Yard, and died the same day, and the other was notified on the 26th and died the same day at Airedale Terrace. For the cases in July and August a nurse was provided, but her services were refused. There were 3 cases at New Fryston—one notified on Nov. 2nd at School-street, which died on the third day; 1 at 7, North-street, notified on the 20th, died the same day; and 1 notified on the 26th in the same house—died on the 29th. There was 1 case in May, at Kellingley, which proved fatal. There were seven deaths out of the nine cases. There were no beds available at the hospital, but there was no spread of the disease from any of the houses affected. There were nine children in the house in which the first case occurred at Glass Houghton, but no one was poorly or had sore throat. The diagnosis was confirmed in two cases by bacteriological examination by Dr. Cammidge, of Wakefield, and I know that anti-toxin was used in one of the cases. It is difficult to account for the cases, as they were living under the same conditions as the rest of the neighbourhood.

**Enteric Fever.**—There have been 23 cases notified during the year. In February 3 cases at Brotherton, of which two were in one house; and the third a mile away. In March 2 cases, one at Glass Houghton and one at Brotherton. The first was not notified, having been removed from the Castleford Isolation Hospital, where he had been taken as a supposed Smallpox. In May 1 case at Whitley; worked on the railway, after drank spring water; he died. In July 1 case at Burton Salmon removed to hospital, where he died; no special cause could be found. In August there were five cases—1 at Brotherton, notified on the 25th; had come from Otley on the 15th, and been poorly ever since. The other 4 cases were at Glass Houghton—2 in Grafton-street, 1 at Ramsden-street, and 1 corner of Leeds Road. In September there were 2 at Glass Houghton, both from the same



house, 37, Grafton-street, one being the mother. In October 2 cases at New Fryston — one in School-street and one in Hope-street. In November two cases—1 at Brotherton and 1 at New Fryston. In December there were 4 — one at Hope-street, New Fryston ; one at Leatham Bar, Ferry-bridge (most probably caused by drinking bad water) ; one at Garth-street, Cutsyke ; and one at Birkin, which had been regarded for some time as a suspicious case. Of these cases, 12 were removed to the hospital, where two of them died. Two others died at their own homes—one at Whitley and one at New Fryston. Of the 23 cases notified, nine were at Glass Houghton, which seems rather disappointing, as it is the only Township with a public water supply, but as two of the cases were in March, four in August, two in September, and one in December, it proves that there was no common cause. Three of the cases were in one house, but no particular cause could be found—either as regards food or any other ingredient. Two of the other cases were in one house in Garth-street—one in November and the other in December. The second developed the disease on returning to the house from which he had been absent during the illness of the first. The first was treated at home, but the second was removed to the hospital.

**Erysipelas.**—There were 3 cases notified during the year. The first at Womersley in January ; the second at Roall in November ; and the third in December at Glass Houghton. There was a death from Erysipelas at Burton Salmon, following a cut on the left hand in April, which does not seem to have been notified.

In addition to these cases of Infectious Disease, there were two cases of Lead Poisoning notified — a dipper and a dipper boy working at a pottery. Some new regulations came into force on the 1st of February, according to which a more systematic examination will be required, and any case occurring where more than a stipulated percentage of lead is used will be entitled to compensation.

**Milk.**—There is still room for improvement in the Milk supply, more especially in some of the Rural Townships. I was in one village this week and saw some pieces of cold bacon on dry bread to be washed down by tea without any milk. I enquired why they did not make puddings for the children's dinner, and was told it was because they could not get any milk.

Two great nuisances still exist in the District, viz., the Castleford and Pontefract Sewage Works. They both adjoin public roads ; they are quite unprotected, and good walls ought to be built to intercept, if that is possible, the stench blown into the faces of travellers, more particularly by North winds.

This Authority is still trying to improve the condition of the River Aire, but it seems as if all its efforts will be useless for at least another twenty years, unless the larger Authorities above make greater progress with their schemes, and the Rivers Board is more successful in its action against manufacturing transgressors.

I have tried to persuade the Ironmongers I know, who travel about the country with their vans, to carry and try to sell Fire Guards, to prevent accidents to children, but I am sorry to say they inform me that they have never met with any encouragement.

The question of providing Sanatoriums for the treatment of Consumption is becoming a very prominent one, but I think the Authority would do well to hesitate before joining in any colossal and palatial scheme.

Samples of Water were examined from Burton Salmon (2 samples), Cridling Stubbs, Darrington, Balne (2), Ferrybridge, Beal and Ferryfryston. With the exception of the last two, they were all of a suspicious character.

I am, Gentlemen,

Your Obedient Servant,

**THOMAS PERCIVAL,**

MEDICAL OFFICER OF HEALTH.

6th February, 1904.

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### ***SPECIAL REPORTS IN 1903.***

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9th January ... As to an outbreak of Measles at Brotherton.

6th February... As to the prevalence of Scarlet Fever in the District, more particularly in the Township of Glass Houghton.

18th May ... As to an outbreak of Smallpox at Brotherton and Glass Houghton.

21st July ... A further Report on the cases of Smallpox.

11th Decr. ... As to the Sanitary Condition of the District for the previous three months.





Table 1. **PONTEFRACCT RURAL SANITARY DISTRICT.**

**Vital Statistics of whole District during 1903 and previous years.**

YEAR.	Population estimated to Middle of each Year.	Births.		Total Deaths Registered in the District.				Deaths of Non- residents registered in Public Institutions in the District.				Deaths of Residents registered in Public Institutions beyond the District.		Nett Deaths at all Ages belonging to the District.	
		Number.	Rate. ★	Under 1 Year of Age.		At all Ages.		Total Deaths in Public Institutions in the District.	Deaths of Non- residents registered in Public Institutions in the District.	Deaths of Residents registered in Public Institutions beyond the District.	Number.	Rate. ★			
				Number.	Rate per 1,000 Births registered.	Number.	Rate. ★								
1	2	3	4	5	6	7	8	9	10	11	12	13			
1893 ...	10,950	393	35.8	78	198	218	19.9	...	...	14	232	21.2			
1894 ...	11,100	381	34.3	49	126	173	15.6	...	...	8	181	16.3			
1895 ...	11,400	438	38.4	77	175	217	19.9	...	...	6	223	19.5			
1896 ...	11,600	404	34.8	82	203	229	19.7	...	...	8	237	20.4			
1897 ...	11,900	442	37.1	63	142	196	16.5	...	3	3	196	16.5			
1898 ...	11,900	427	35.9	70	160	207	17.4	...	2	7	212	17.8			
1899 ...	12,000	399	32.25	57	128	164	13.6	...	2	9	171	14.2			
1900 ...	12,150	407	33.5	74	180	228	18.7	...	4	13	277	19			
1901 ...	12,401	457	36.8	81	177	181	14.6	...	0	12	193	15.5			
1902 ...	12,401	473	38	73	156	211	17	1	0	10	222	18			
Averages for years 1893-1902.	11,780	422	35.7	70	164	202	17.4	1	1	9	214	17.8			
1903 ...	12,600	472	37.4	64	140	193	15.3	...	...	15	208	15.7			

★ Rates in Columns 4, 8, and 13 calculated per 1,000 of estimated population.

By the term "Non-residents" is meant persons brought into the district on account of sickness or infirmity, and dying in public institutions there; and by the term "Residents" is meant persons who have been taken out of the district on account of sickness or infirmity, and have died in public institutions elsewhere.

Area of District in acres (exclusive of area covered by water), 38,980—less River Aire.

Total population at all ages at Census, 1901 ... 12,401. Number of inhabited houses ... 2,615.

Average number of persons per house ... 4.7.

**Table 2. PONTEFRAC T RURAL SANITARY AUTHORITY.**

**Vital Statistics of Separate Localities in 1903 and previous years.**

NAMES OF LOCALITIES.	KNOTTINGLEY RURAL.				WHITLEY.				CARLETON.				GLASS HOUGHTON.			
	Population esti- mated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.
1893	6050	226	137	45	2330	67	24	5	1035	21	12	3	1650	79	45	25
1894	6125	218	103	35	2340	60	29	5	1035	15	13	2	1725	87	28	7
1895	6175	242	114	44	2330	68	27	7	1035	34	23	6	1975	92	53	20
1896	6275	242	117	48	2330	61	38	10	1035	15	11	0	2075	86	43	24
1897	6420	237	104	36	2330	73	39	9	1035	30	12	1	2220	102	41	17
1898	6420	237	96	33	2330	61	38	11	1035	25	21	3	2220	104	52	23
1899	6470	206	83	25	2330	67	23	5	1035	21	14	1	2270	105	44	20
1900	6545	233	118	44	2330	51	32	6	1035	28	20	2	2345	95	58	22
1901	6151	228	92	39	2211	69	38	14	1088	24	14	2	2951	136	49	26
1902	6000	214	107	32	2211	63	41	7	1088	21	20	7	3102	175	54	27
Averages of years 1893 to 1902.	6263	228	107	38	2306	64	33	8	1045	23	16	3	2253	106	47	21
1903	6100	230	114	40	2212	69	31	11	1088	26	13	0	3200	147	50	15



Table 3.

**PONTEFRAC T RURAL SANITARY DISTRICT.****Cases of Infectious Disease Notified during the Year 1903.**

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT.						TOTAL CASES NOTIFIED IN EACH LOCALITY.				No. of Cases Removed to Hospital from Each Locality.			
	At all Ages.	At Ages. Years.					Knot-tingley Rural.	Whitley	Carleton	Glass Houghton.	Knot-tingley Rural.	Whitley	Carleton	Glass Houghton.
		Under 1.	1 to 5.	5. to 15.	15 to 25.	25 to 65.								
Small-pox	9	...	...	1	2	5	7	1	...	1	7	...	...	1
Cholera	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria	9	...	4	4	1	...	4	...	...	5	...	...	...	...
Membranous Croup	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas	3	...	...	...	...	3	...	...	2	1	...	...	...	...
Scarlet Fever	72	1	17	49	3	2	17	6	7	42	11	...	2	13
Typhus Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Enteric Fever	23	...	...	7	7	9	13	1	...	9	4	...	...	8
Relapsing Fever...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Continued Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Fever...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Plague ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
TOTALS	116	1	21	61	13	19	41	8	9	58	22	...	2	22

**Table 4. PONTFRACCT RURAL SANITARY DISTRICT.**

**Causes of, and Ages at, Death during Year 1903.**

CAUSES OF DEATH.	DEATHS IN OR BELONGING TO WHOLE DISTRICT AT SUBJOINED AGES.							DEATHS IN OR BELONGING TO LOCALITIES (AT ALL AGES).				TOTAL DEATHS IN PUBLIC INSTITUTIONS IN THE DISTRICT.
	All ages.	Under 1 year.	1 and under 5.	5 and under 15	15 and under 25	25 and under 65	65 and upwards.	Knottingley Rural.	Whitley.	Carleton	Glass Houghton.	
Small-pox ..	2	..	..	..	..	2	..	2	..	..	..	
Measles ..	6	..	5	1	..	..	..	5	..	1	..	
Scarlet Fever ..	1	..	1	..	..	..	..	..	..	..	..	
Whooping-cough ..	2	1	1	..	..	..	..	1	1	..	1	
Diphtheria and Membranous Croup ..	7	..	3	4	..	..	..	4	..	..	3	
Croup ..	..	..	..	..	..	..	..	..	..	..	..	
{ Typhus ..	..	..	..	..	..	..	..	..	..	..	..	
{ Enteric ..	4	..	..	1	1	2	..	2	1	..	1	
Other (continued) ..	..	..	..	..	..	..	..	..	..	..	..	
Epidemic Influenza ..	..	..	..	..	..	..	..	..	..	..	..	
Cholera ..	..	..	..	..	..	..	..	..	..	..	..	
Plague ..	..	..	..	..	..	..	..	..	..	..	..	
Diarrhoea ..	13	12	1	..	..	..	..	9	..	..	4	
Enteritis ..	4	1	2	..	..	1	..	2	..	..	2	
Puerperal Fever ..	..	..	..	..	..	..	..	..	..	..	..	
Erysipelas ..	1	..	..	..	..	1	..	1	..	..	..	
Other Septic Diseases ..	..	..	..	..	..	..	..	..	..	..	..	
Phthisis ..	12	..	..	1	..	9	1	8	2	..	2	
Other Tubercular Diseases ..	9	4	3	1	1	..	..	7	..	..	2	
Cancer, malignant disease ..	8	..	1	..	..	4	..	5	2	1	..	
Bronchitis ..	28	14	8	..	..	..	6	18	2	3	8	
Pneumonia ..	10	1	2	..	2	3	2	2	3	..	2	
Pleurisy ..	..	..	..	..	..	..	..	..	..	..	..	
Other Diseases of Respiratory Organs ..	1	..	1	..	..	..	..	..	..	..	1	
Alcoholism, Cirrhosis of Liver ..	2	..	..	..	..	1	1	..	..	..	1	
Veneral Diseases ..	1	1	..	..	..	..	..	1	..	..	2	
Premature Birth ..	10	10	..	..	..	..	..	8	1	..	1	
Diseases and Accidents of Parturition ..	2	..	..	..	..	2	..	1	..	..	1	
Heart Diseases ..	18	..	..	4	..	10	4	8	2	2	6	
Accidents ..	11	..	1	1	3	5	1	5	3	1	2	
Suicides ..	1	..	..	..	..	..	1	..	14	5	1	
All other causes ..	55	22	3	..	..	8	22	25	..	5	11	
All causes ..	208	66	32	13	8	48	41	114	31	13	50	



**DEATHS at various ages in the Different Townships,  
and Number of BIRTHS in each District.**

<i>Knottingley Rural District.</i>	All Ages	Under 1 year	1 to 5	5 to 15	15 to 25	25 to 65	Above 65	In Public Institutions
Beal .. ..	8	3	1	1	..	2	1	2 Smallpox Hospital, 1 in Work- house, 1 in Joint Hospital. 1 (Leeds Infirmary) 4 (in Workhouse) 1 (Leeds Infirmary)
Birkin .. ..	0	..	..	..	..	..	..	
Brotherton .. ..	18	5	7	..	..	2	4	
Burton Salmon .. ..	5	3	..	..	..	1	1	
Cridling Stubbs .. ..	3	1	1	..	..	..	1	
Fairburn .. ..	14	6	1	1	1	3	2	
Ferryfryston .. ..	49	21	7	4	2	11	4	
Hillam .. ..	3	..	1	..	..	..	2	
Monkfryston .. ..	4	..	..	..	1	1	2	
Sutton-cum-Byram and Poole	0	..	..	..	..	..	..	
	104	39	18	6	4	20	17	Total .. 10
<i>District of Whitley.</i>								
Balne .. ..	1	1	..	..	..	..	..	3 (Workhouse)
Eggborough .. ..	5	1	..	1	..	3	..	
Heck .. ..	1	..	..	..	1	..	..	
Hensall .. ..	5	2	1	..	..	1	1	
Kellington .. ..	4	3	..	..	..	..	1	
Stapleton .. ..	0	..	..	..	..	..	..	
Whitley .. ..	9	2	..	..	..	6	1	
Womersley .. ..	3	2	..	..	..	1	..	
	28	11	1	1	1	11	3	Total .. 3
<i>Carleton District.</i>								
Carleton .. ..	8	1	..	..	1	2	4	
Darrington .. ..	4	..	1	..	..	..	3	
East Hardwick .. ..	1	..	..	..	..	..	1	
	13	1	1	..	1	2	8	
<i>Glasshoughton District.</i>								
Glasshoughton .. ..	48	15	11	4	..	12	6	2 (1 in Joint Hospital, 1 away from home)

**PARTICULARS OF BIRTHS.**

Knottingley Rural District	..	..	..	..	..	230
District of Whitley ..	..	..	..	..	..	69
Carleton District ..	..	..	..	..	..	26
Glasshoughton District ..	..	..	..	..	..	147
					Total ..	472

3

TOWNSHIP.	Smallpox	Measles	Scarlet Fever	Whooping Cough	Diphtheria	Enteric Fever	Diarrhoea	Enteritis	Erysipelas	Totals
Beal .. .. .	..	..	..	..	1	..	1	..	..	2
Brotherton ..	2	3	..	..	..	..	..	..	..	5
Burton Salmon .. .. .	..	..	..	..	..	1	1	..	1	3
Cridling Stubbs .. .. .	..	1	..	..	..	..	..	..	..	1
Carleton .. .. .	..	1	..	..	..	..	..	..	..	1
Fairburn .. .. .	..	..	..	1	..	..	1	..	..	2
Ferryfrystone .. .. .	..	1	..	..	3	1	6	2	..	13
Glass Houghton .. .. .	..	..	1	..	3	1	4	2	..	11
Kellington .. .. .	..	..	..	1	..	..	..	..	..	1
Whitley .. .. .	..	..	..	..	..	1	..	..	..	1
	2	6	1	2	7	4	13	4	1	40
Zymotic Average .. .. .				..	3·2					



**TABLE C., 1903.****Pontefract Rural Sanitary District.**

Medical Officer of Health—THOMAS PERCIVAL,  
Salary £70.

Sanitary Inspector—WILLIAM SHUTTLEWORTH.  
Salary £120.

What other positions does the Sanitary Inspector fill? None.

**WATER SUPPLY—**

Quality? Variable. Action on Lead? None.  
Any extensions or change during 1903? None.  
Any inadequacy in any part? Ferryfrystone, Brotherton and Fairburn.

**SEWERAGE —**

Is the district systematically sewered? Partly. Is rainfall excluded?  
Yes.  
Extensions and Improvements during 1903? Sewers: Brotherton,  
nearly completed. Manholes and Ventilating Shafts? Yes.  
Any inadequacy, and where? Ferryfrystone and Burton Salmon.

**SEWAGE DISPOSAL—**

System adopted? Settling Tanks. Any extensions in 1903?  
Brotherton—irrigation.

**SCAVENGING —**

Are the privy-middens, ash-places, etc., cleansed by Sanitary staff, by  
Contractors, or by Owners and Tenants? By Contract and by  
Owners and Occupiers.  
Number of each type of receptacle: - Open privy middens—none.  
Covered privy middens—all. Pail or tub closets—none. W.C.—a few.

**ADOPTIVE ACTS—**

Acts adopted during 1903 (or parts)? Part III. of the Public Health  
Acts Amendment Act, 1890, so far as it is applicable to a Rural  
Authority.  
Any diseases added to Notification Schedule, *e.g.*, Measles, Chicken-  
pox, &c.? No.  
Any system of voluntary notification of Phthisis? No.

**BYE-LAWS—**

Any adopted or sanctioned during 1903 ? (a) Under the Public Health Act, 1875 ? No. (b) Under the Public Health Acts (Amendment) Act, 1890 ? No.

Regulated Building Trades, &c.	Number		General Condition.	Legal Proceedings.
	Regis-tered.	Inspected.		
Common Lodging Houses ...	1	36	Good.	None.
Canal Boats ... ..	...	60	Fairly good.	None.
Slaughter Houses ... ..	...	24	Fairly good.	None.
Cowsheds ... ..	27	79	Good.	None.
Offensive Trades ... ..	...	...	...	...

**ISOLATION HOSPITAL —**

Name and Situation of Hospital for Smallpox cases — Sherburn.

Do. for general infectious diseases Pontefract (Isolation).

Does the Sanitary Authority provide antitoxin (gratis) for diphtheria cases ? Yes, if asked for.

**SCHOOLS—**

Number closed during 1903 on account of sickness — 2.

Total duration of such closure — 34 days.

Any ailment or contagious disease associated particularly with school life during 1903 ? None, except Measles.

**FACTORY AND WORKSHOP ACT—**

No. of Workshops in the district, as per Register — 4. No. of inspections made during 1903—11. Legal proceedings, none.

No. of Bakehouses included in above, 1—24 inspections.

No. of Underground Bakehouses in district, none.

No. of Domestic Workshops included in above, none.

No. of Domestic Factories in the district, none.

No. of Lists of Outworkers' received, none.

Any action as to unwholesome or infected Outworkers' premises, none.

**DWELLINGS —**

Number of houses built during 1903, 10. General character, cottages.

Any houses unfit for habitation ? none.

Any overcrowding of persons in houses ? none.

Any action taken under the Housing of the Working Classes Act ? none.

Is house-to-house inspection systematically made ? yes.

Are records kept ? when found defective.



**NUISANCES —**

Total number of Nuisances in hand at close of 1902 ? none.  
 At close of 1903 ? 310.      Reported during 1903 ? 310.  
 Abated during 1903 ? 306.  
 Total number of Legal Notices served for Abatement of Nuisances during 1903 ? 60.  
 Total number of Summonses or other Legal Proceedings ? none.  
 Number of Sink wastes disconnected during 1903 ? none.  
 " " trapped during 1903 ? none.  
 Number of Closets newly constructed during 1903 ? 46.      Kinds—  
     Dry Covered Ashpits.  
 Numbered of Closets reconstructed during 1903 ? 19.      Kinds—Dry  
     Covered Ashpits.

**METEOROLOGY—**

Mean Temperature for year 1903 ? not taken.      Rainfall, not taken.

**What action has been taken in regard to the following matters ?**

Seizure of Unsound Food ? none.      Prosecutions ? none.  
 Samples under Sale of Food & Drugs Act ? none. Prosecutions ? none.  
 Has there been any poisoning during 1903 attributable to arsenical beer ? no.  
 River Pollution ? not in this district.  
 Smoke observations taken ? none.      Legal Notices ? none.  
     Summonses ? none.  
 Burial Grounds Number in district ? 12.      Any need of extension ?  
     Not at present.  
 Mortuaries Number in district (a) for accidents ? none.

**BIRTHS during 1903 —**

Males, 228 ; Females, 244.      Total, 472.  
 Number illegitimate, included in the above ? no complete return.  
 Number of Still Births (not included) ? no complete return.

**DEATHS during 1903 —**

Gross Deaths, *i.e.*, Total actually registered in the district, without any correction ? 193.  
 Nett Deaths on which the rates are calculated ? Males, 11 ; Females, 95. Total, 206.  
 Number uncertified, included in the above ? none.

**Sanitary Requirements of District, and Suggestions of  
 Medical Officer of Health :**

Completion of Sewage Scheme and proper Water Supply.  
 More efficient Scavenging.

# PONTEFRAC T RURAL SANITARY DISTRICT.

Infected Cottages visited, and nature of Diseases found.																		
Year ending Jan. 31st, 1903.	TOWNSHIPS.																	
	Measles.		Whooping Cough.		Chicken Pox.		Scarlet Fever.		Typhoid or Enteric Fever		Erysipelas.		Smallpox.		Diphtheria.		TOTALS.	
	Over 5.	Under 5.	Over 5.	Under 5.	Over 5.	Under 5.	Over 5.	Under 5.	Over 5.	Under 5.	Over 5.	Under 5.	Over 5.	Under 5.	Over 5.	Under 5.		
Balne ..	..	..	..	..	..	..	.. 3	.. 1	..	..	..	..	..	..	.. 1	..		.. 5
Beaghall ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.. 1
Birkin ..	..	..	..	..	..	..	.. 1	..	..	..	..	..	..	..	..	..	..	.. 2
Byram ..	..	..	..	..	..	..	.. 1	..	..	..	..	..	..	..	..	..	..	.. 13
Burton Salmon	..	..	..	..	..	1	..	.. 2	..	..	..	..	..	..	..	..	..	.. 2
Brotherton	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.. 3
Carleton ..	..	..	..	..	..	..	.. 2	.. 1	..	..	..	..	..	..	..	..	..	.. 3
Cridling Stubbs	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.. 3
Darrington	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.. 19
East Hardwick	..	..	..	..	..	..	.. 3	.. 5	..	..	..	..	..	..	..	..	..	.. 99
Eggborough	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	.. 1
Ferryfryston	..	..	..	..	..	..	.. 5	.. 3	..	..	..	..	..	..	..	..	..	.. 99
Fairburn ..	..	3	.. 2	.. 9	.. 14	.. 2	.. 37	.. 10	..	..	.. 1	..	..	..	..	..	..	.. 1
Glass Houghton	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.. 1
Heck ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.. 1
Hensall ..	..	..	..	..	..	..	.. 1	..	..	..	..	..	..	..	..	..	..	.. 1
Hillam ..	..	..	..	..	..	..	..	..	..	..	..	.. 1	..	..	..	..	..	.. 1
Kellington	..	..	..	.. 3	..	..	..	..	..	..	..	..	..	..	..	..	..	.. 10
Monkfryston	..	..	.. 7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.. 1
Sutton ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.. 1
Stapleton ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.. 1
Whitley ..	..	..	..	..	..	..	..	..	.. 1	..	..	..	..	..	..	..	..	.. 1
Womersley	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
TOTALS ..	3	2	16	17	12	2	53	18	19	..	2	..	9	..	5	4	..	162

WILLIAM SHUTTLEWORTH, Sanitary Inspector.



SANITARY WORK		New privies and ashpits erected.	Old privies and ashpits repaired and ventilated, ashpits covered in, bottoms paved and gouted with cement, ashpits built to privies, and privies converted into earth closets.	New sanitary tube drains and ventilating shafts.	Infected cottages visited, and instructions given against spreading the disease.	Wells and cisterns cleaned, and pumps repaired.	Manure and other foul matter removed from streets, public roads, and backyards.	Foul drains & cesspools cleaned.	Pigcotes removed	Town sewers cleaned & repaired.	Inspections of cowsheds, milk-shops, and dairies.	Inspections of common lodging-houses.	Quarry fencing, &c.	Inspections of bakehouses.	Inspections of slaughter-houses.	Workshops & factories inspected.	Number of inspections made.	Number of nuisances found.	Number of nuisances abated.	Inspection of canal boats.	Open drains and water courses cleaned.	Samples of water taken.
TOWNSHIPS.																						
Balne	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Beaghall	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Birkin	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Byram	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Burton Salmon	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Brotherton	..	13	3	..	31	2	..	6	..	7	13	..	..	..	..	..	..	..	..	..	..	..
Carleton	..	..	..	..	3	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Cridling Stubbs	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Darrington	..	..	..	1	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
East Hardwick	..	8	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Eggborough	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ferryfryston	..	10	2	..	19	..	..	8	..	6	15	..	..	..	..	..	..	..	..	..	..	..
Fairburn	..	..	1	..	..	..	..	7	..	3	24	..	1	..	..	..	..	..	..	..	..	..
Glass Houghton	..	5	9	..	68	..	2	2	6	..	..	..	1	..	..	..	..	..	..	..	..	..
Heck	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hensall	..	..	..	..	..	..	..	3	1	2	3	..	..	..	..	2	..	..	..	..	..	..
Hillam	..	..	2	..	1	..	..	1	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Kellington	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Knottingley	..	..	..	..	10	..	..	1	..	1	3	..	..	..	..	..	..	..	..	..	..	..
Monkfryston	..	2	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sutton	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..
Stapleton	..	..	..	..	..	..	..	1	..	4	..	..	1	..	..	..	..	..	..	..	..	..
Whitley	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Womersley	..	3	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..
TOTALS	..	46	19	1	144	3	3	37	7	31	79	36	6	3	24	11	686	310	306	60	9252 yds.	9

WM. SHUTTLEWORTH, Sanitary Inspector.

